Title (en)

A METHOD AND A DEVICE FOR OBTAINING A METER READING OF A COUNTER MECHANISM

Title (de)

VERFAHREN UND EINRICHTUNG ZUM ERHALTEN EINER ZÄHLERABLESUNG EINES ZÄHLERMECHANISMUS

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'OBTENIR UNE LECTURE DE COMPTEUR D'UN MECANISME DE COMPTAGE

Publication

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Application

EP 06835824 A 20061208

Priority

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Abstract (en)

[origin: WO2007067132A1] A method is presented for obtaining a meter reading from a captured image (28) of a counter mechanism (3) . The counter mechanism has at least one symbol position (10$_X$) , each being capable of showing a plurality of symbols (10) in sequential order so as to indicate respective values of said symbol position. Symbol image data (29) for the symbol position is derived from the image. The symbol image data is processed by matching with reference image data (34) representing said plurality of symbols to determine a current value of said symbol position. An output signal (39) representing said meter reading is generated from the current value deter- mined for the or each symbol position. The reference image data (34) is provided as a first set of symbol templates (36) and a second set of symbol templates (38) , and the processing of the symbol image data (29) involves a preprocessing stage (110) and a matching stage (120) . The method involves selecting, based on an outcome of the preprocessing stage, at least one of the first and second sets of symbol templates (36, 38) for use during the matching stage.

IPC 8 full level

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CPC (source: EP)

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